FIG. 1

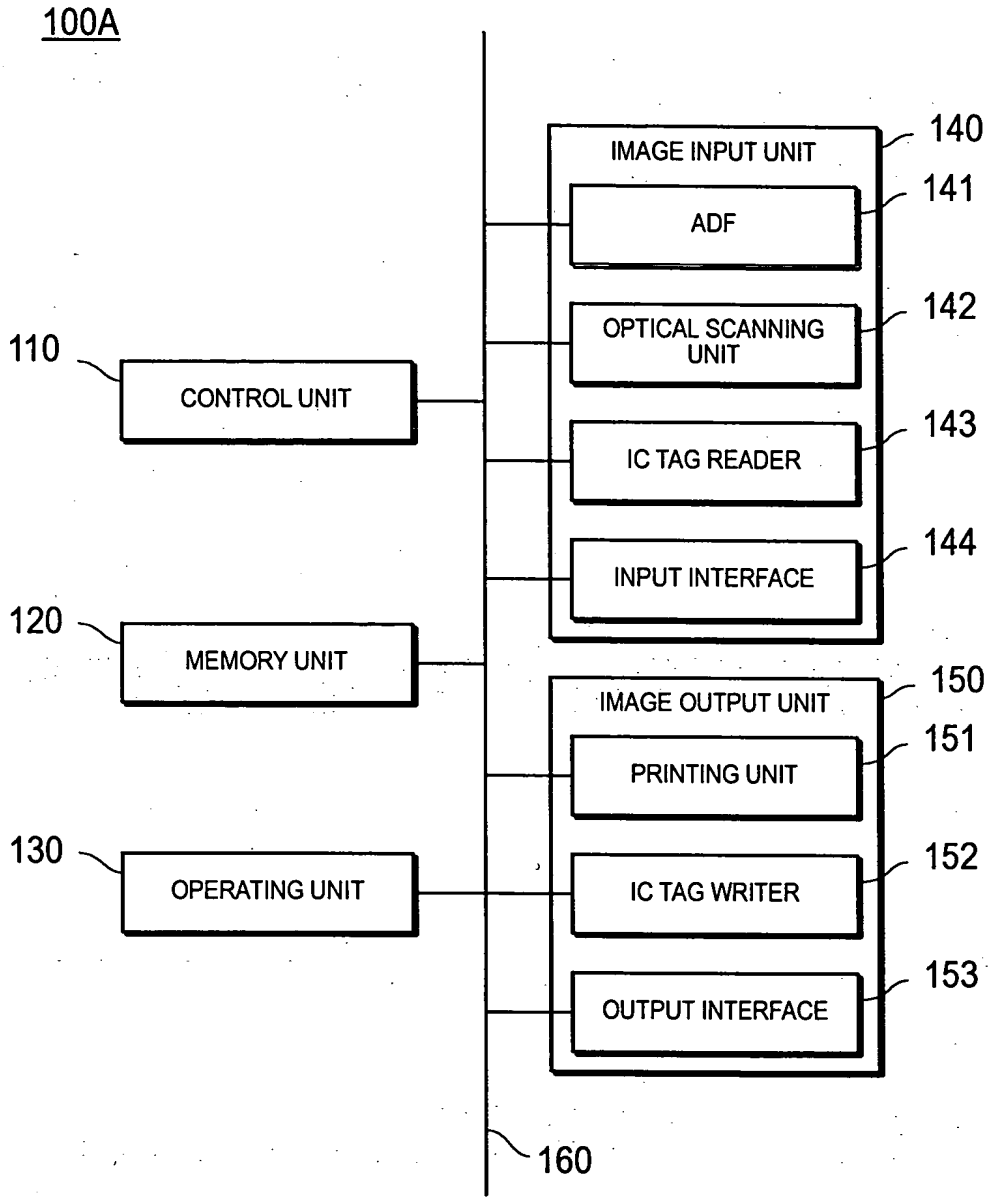
100A
IMAGE INPUT UNIT
140
ADF
141
OPTICAL SCANNING UNIT
142
110
CONTROL UNIT
IC TAG READER
143
INPUT INTERFACE
144
120
MEMORY UNIT
IMAGE OUTPUT UNIT
150
PRINTING UNIT
151
130
OPERATING UNIT
IC TAG WRITER
152
OUTPUT INTERFACE
153
160

FIG. 2

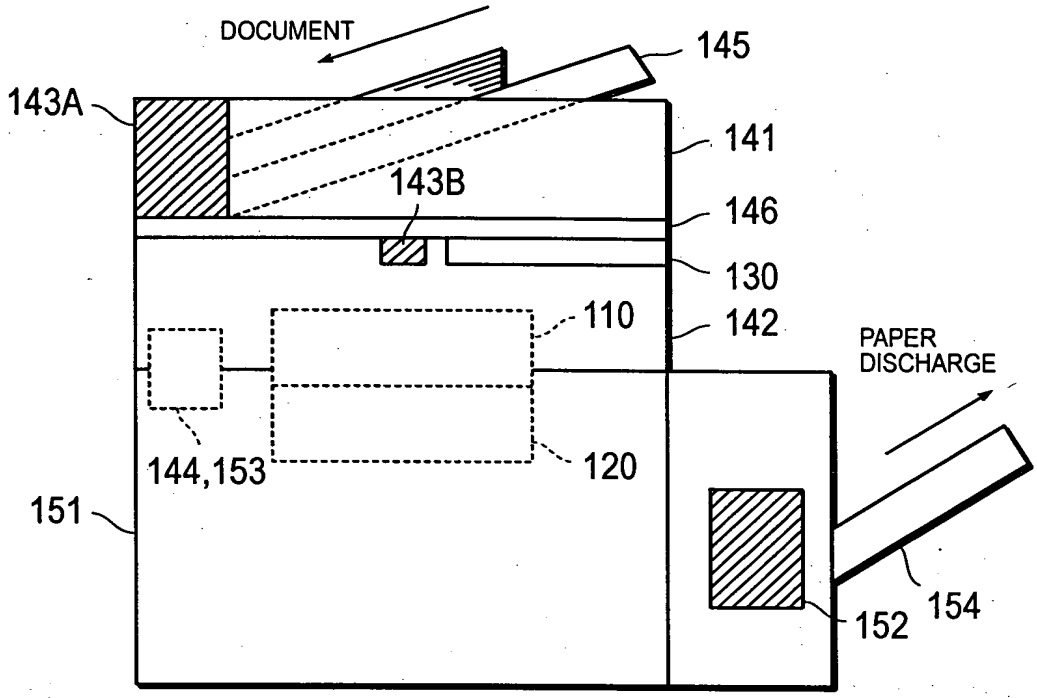
DOCUMENT
145
143A
141
143B
146
130
110
142
PAPER DISCHARGE
144,153
120
151
152
154

FIG. 3

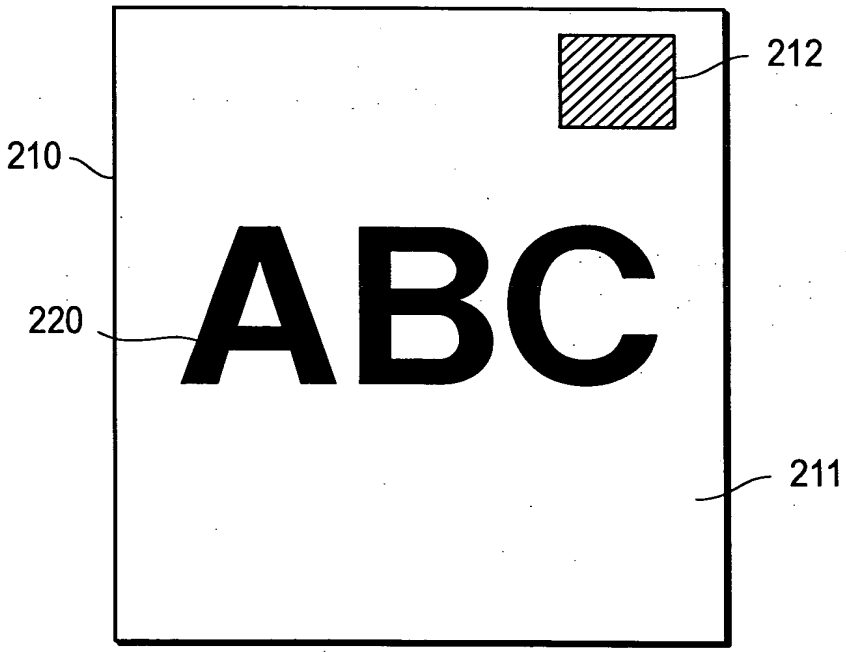
200
212
210
ABC
220
211

FIG. 4

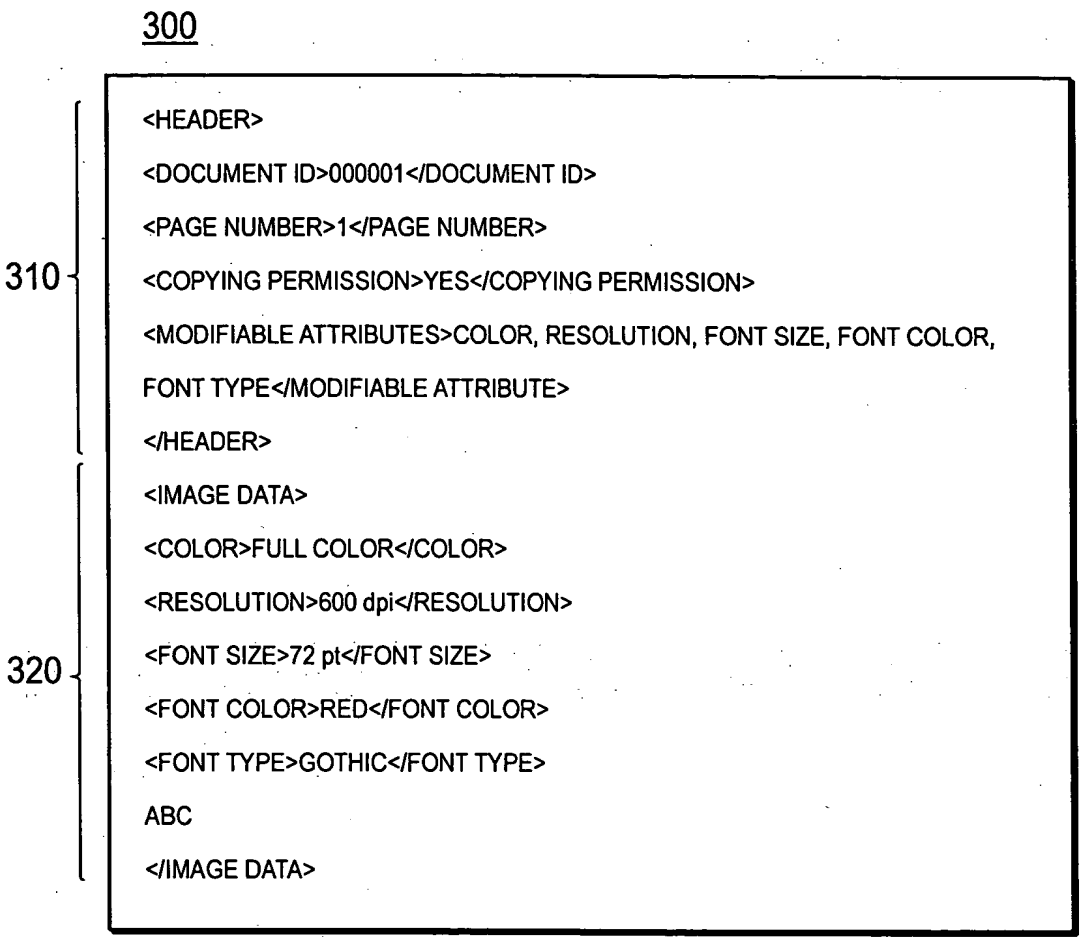
300
310
320
<HEADER>
<DOCUMENT ID>000001</DOCUMENT ID>
<PAGE NUMBER>1</PAGE NUMBER>
<COPYING PERMISSION>YES</COPYING PERMISSION>
<MODIFIABLE ATTRIBUTES>COLOR, RESOLUTION, FONT SIZE, FONT COLOR,
FONT TYPE</MODIFIABLE ATTRIBUTE>
</HEADER>
<IMAGE DATA>
<COLOR>FULL COLOR</COLOR>
<RESOLUTION>600 dpi</RESOLUTION>
<FONT SIZE>72 pt</FONT SIZE>
<FONT COLOR>RED</FONT COLOR>
<FONT TYPE>GOTHIC</FONT TYPE>
ABC
</IMAGE DATA>

FIG. 5

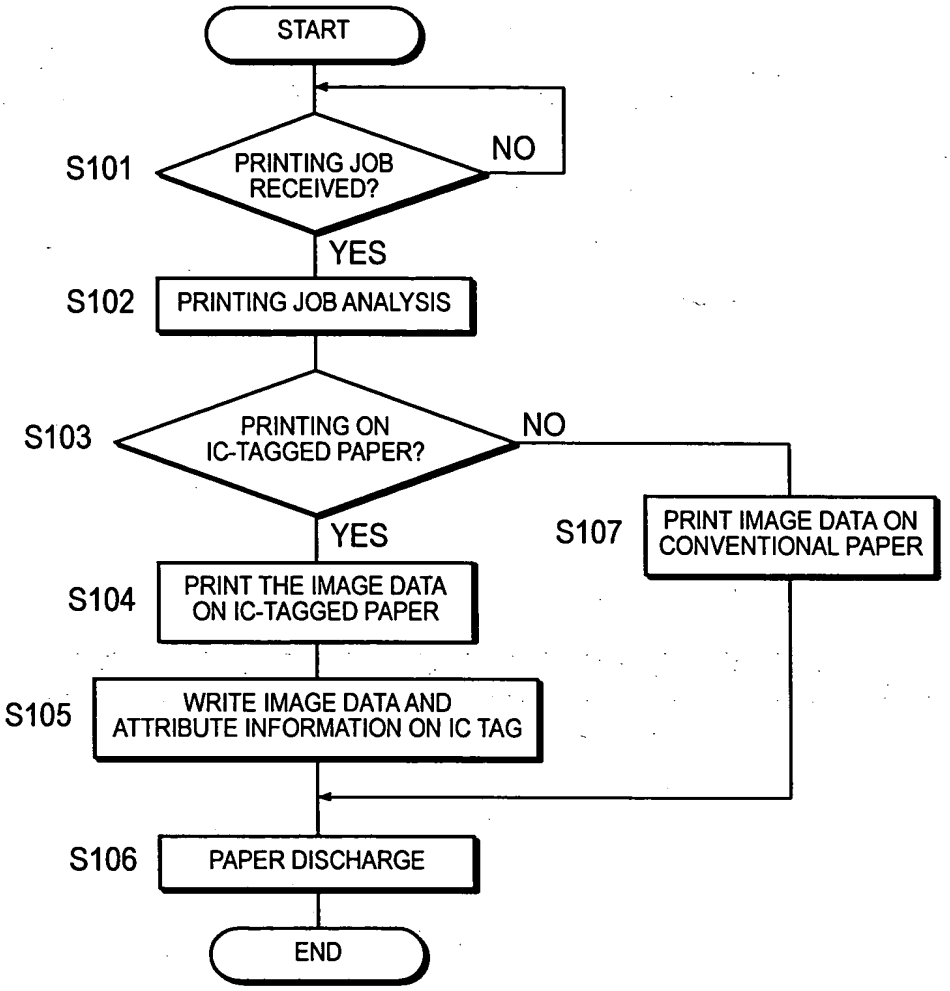
START
S101
PRINTING JOB RECEIVED?
NO
YES
S102
PRINTING JOB ANALYSIS
S103
PRINTING ON IC-TAGGED PAPER?
NO
YES
S107
PRINT IMAGE DATA ON CONVENTIONAL PAPER
S104
PRINT THE IMAGE DATA ON IC-TAGGED PAPER
S105
WRITE IMAGE DATA AND ATTRIBUTE INFORMATION ON IC TAG
S106
PAPER DISCHARGE
END

FIG. 6

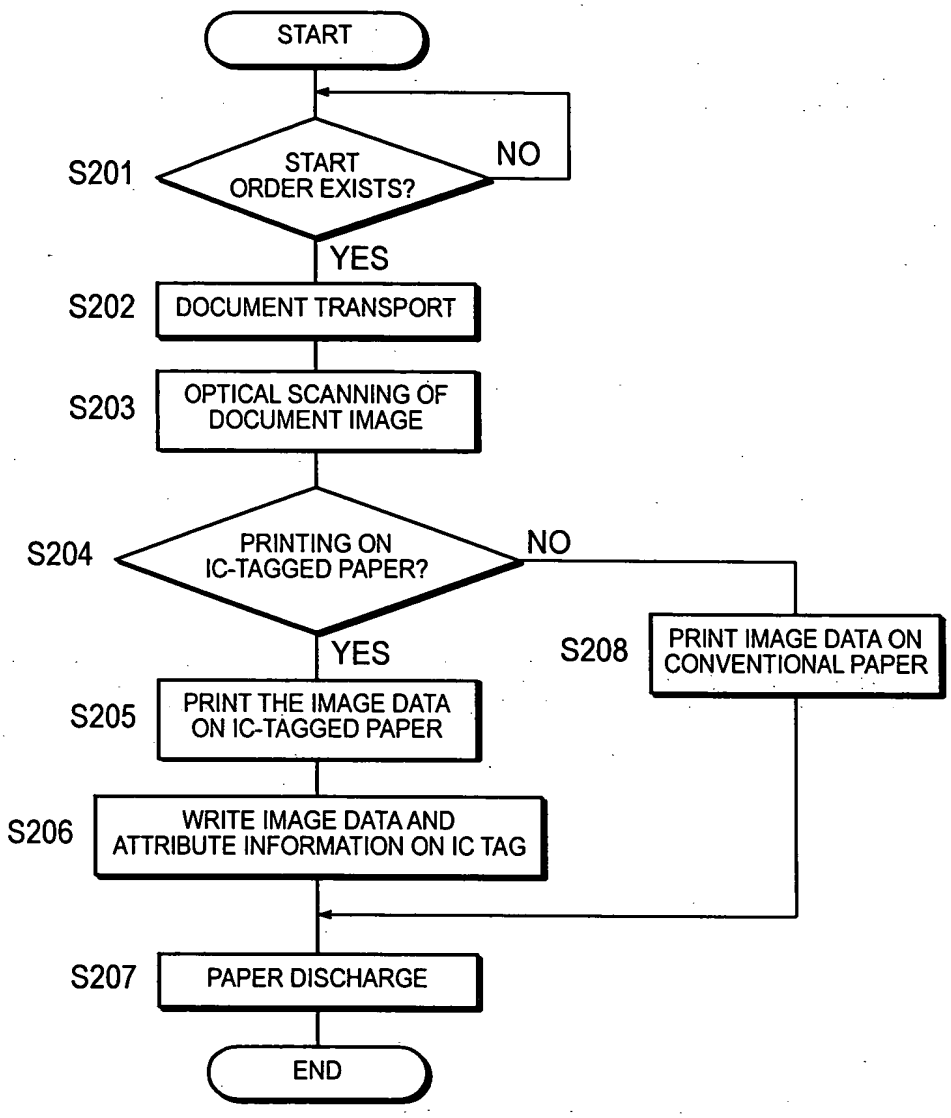
START
S201
START ORDER EXISTS?
NO
YES
S202
DOCUMENT TRANSPORT
S203
OPTICAL SCANNING OF DOCUMENT IMAGE
S204
PRINTING ON IC-TAGGED PAPER?
NO
YES
S208
PRINT IMAGE DATA ON CONVENTIONAL PAPER
S205
PRINT THE IMAGE DATA ON IC-TAGGED PAPER
S206
WRITE IMAGE DATA AND ATTRIBUTE INFORMATION ON IC TAG
S207
PAPER DISCHARGE
END

FIG. 7

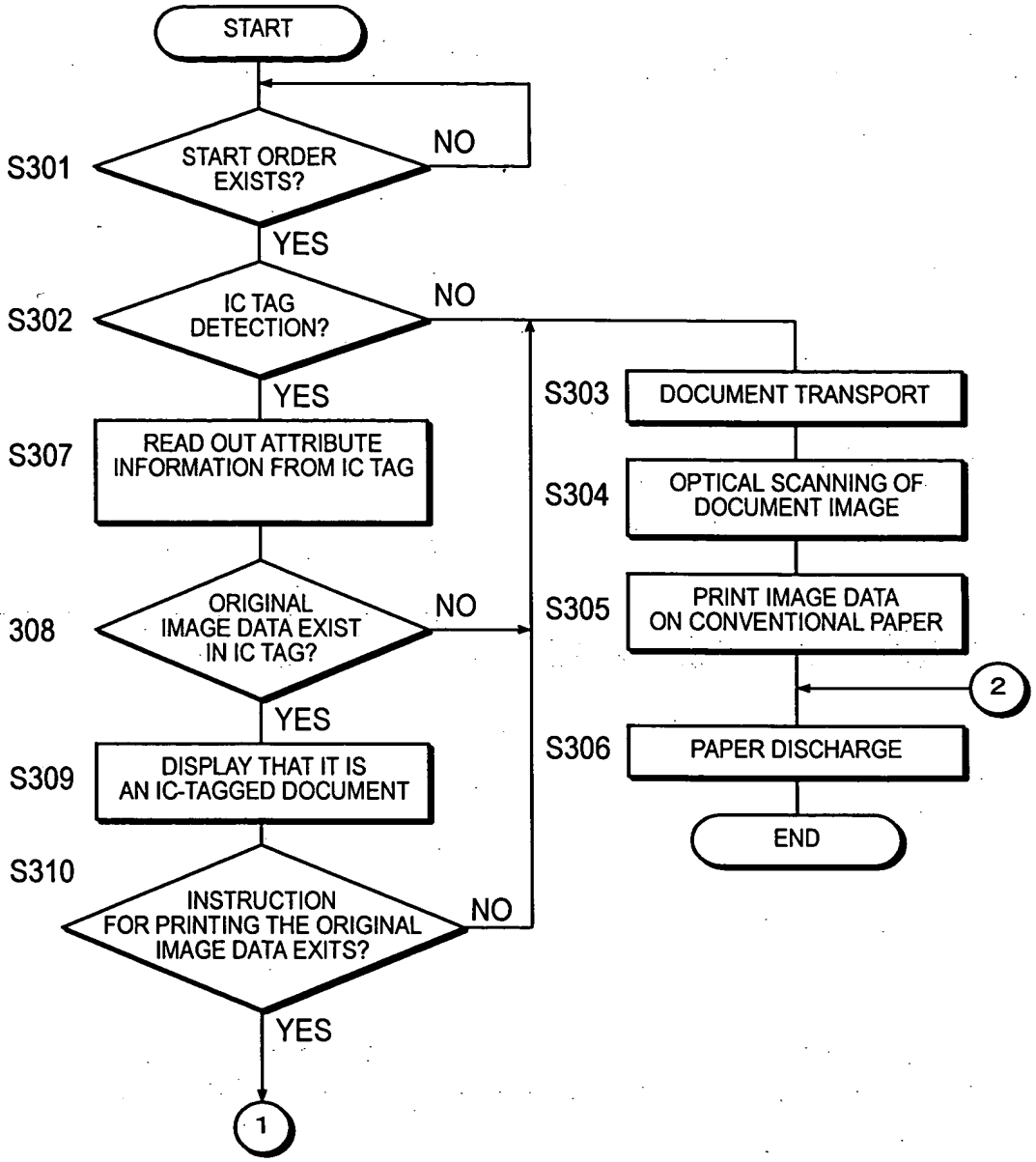
START
S301
START ORDER EXISTS?
NO
YES
S302
IC TAG DETECTION?
NO
YES
S307
READ OUT ATTRIBUTE INFORMATION FROM IC TAG
308
ORIGINAL IMAGE DATA EXIST IN IC TAG?
NO
YES
S309
DISPLAY THAT IT IS AN IC-TAGGED DOCUMENT
S310
INSTRUCTION FOR PRINTING THE ORIGINAL IMAGE DATA EXITS?
NO
YES
1
S303
DOCUMENT TRANSPORT
S304
OPTICAL SCANNING OF DOCUMENT IMAGE
S305
PRINT IMAGE DATA ON CONVENTIONAL PAPER
2
S306
PAPER DISCHARGE
END

FIG. 8

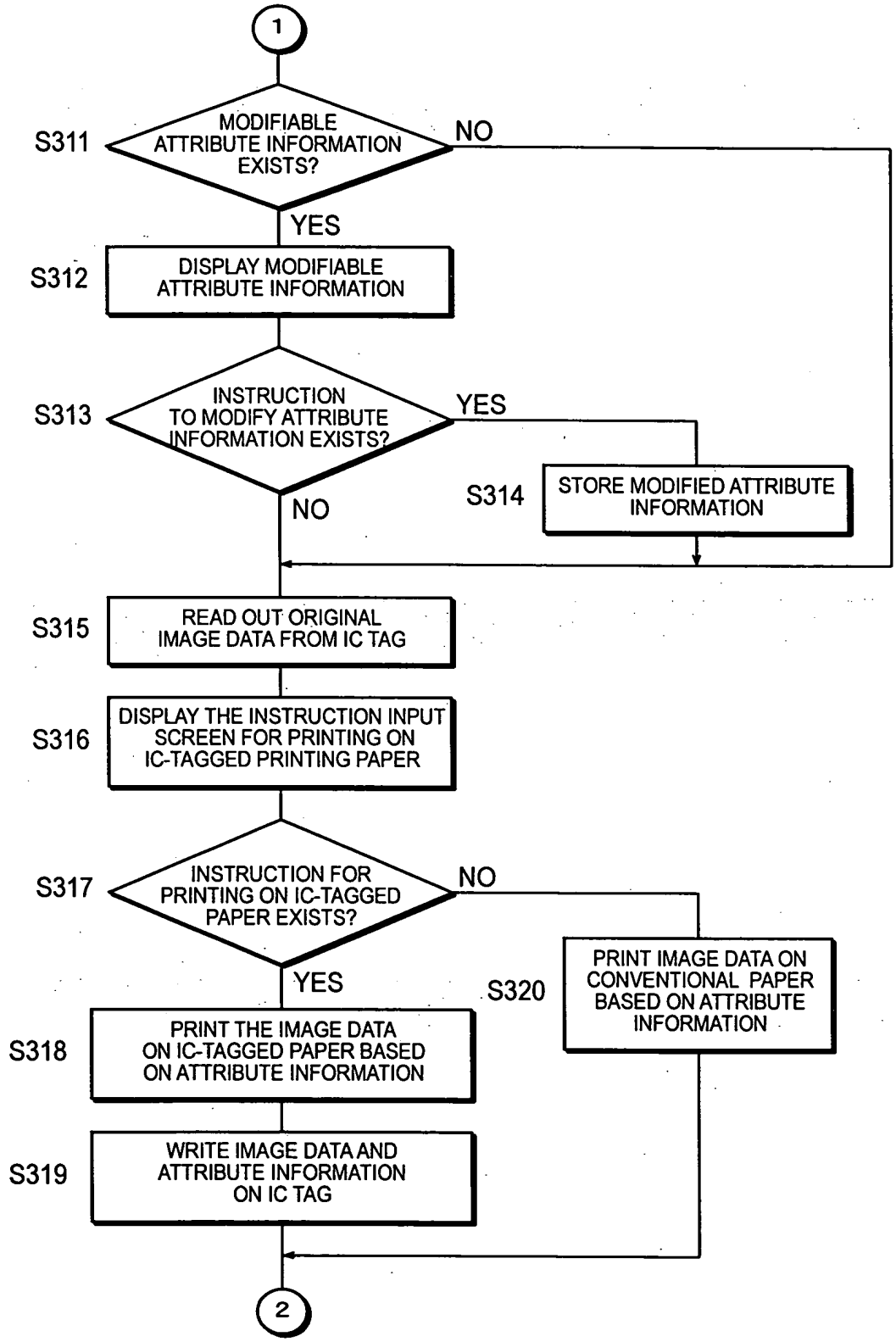
1
S311
MODIFIABLE ATTRIBUTE INFORMATION EXISTS?
NO
YES
S312
DISPLAY MODIFIABLE ATTRIBUTE INFORMATION
S313
INSTRUCTION TO MODIFY ATTRIBUTE INFORMATION EXISTS?
YES
NO
S314
STORE MODIFIED ATTRIBUTE INFORMATION
S315
READ OUT ORIGINAL IMAGE DATA FROM IC TAG
S316
DISPLAY THE INSTRUCTION INPUT SCREEN FOR PRINTING ON IC-TAGGED PRINTING PAPER
S317
INSTRUCTION FOR PRINTING ON IC-TAGGED PAPER EXISTS?
NO
YES
S320
PRINT IMAGE DATA ON CONVENTIONAL PAPER BASED ON ATTRIBUTE INFORMATION
S318
PRINT THE IMAGE DATA ON IC-TAGGED PAPER BASED ON ATTRIBUTE INFORMATION
S319
WRITE IMAGE DATA AND ATTRIBUTE INFORMATION ON IC TAG
2

FIG. 9

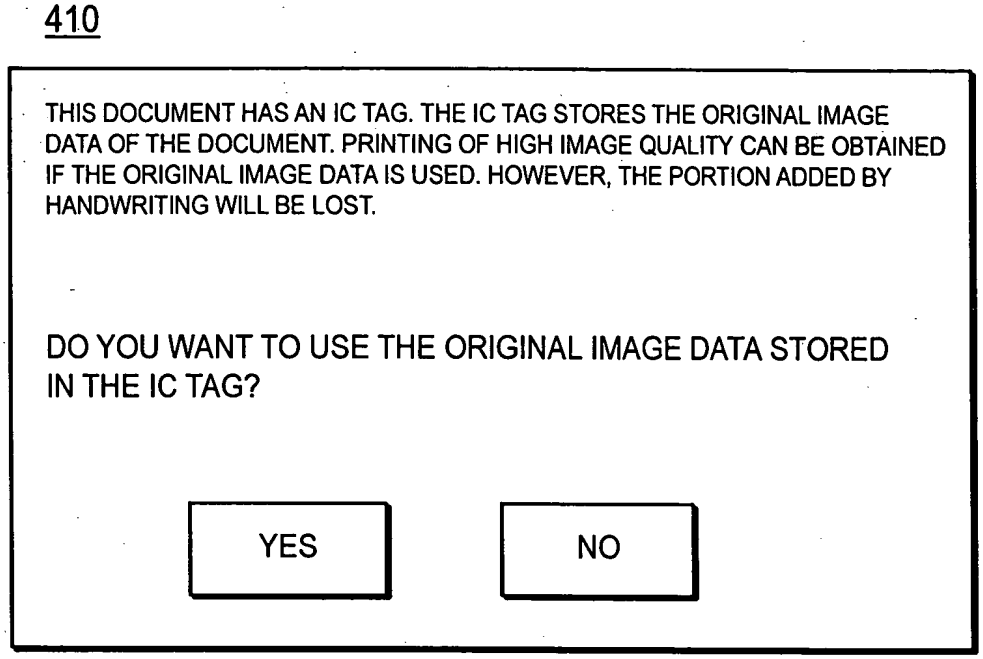
410
THIS DOCUMENT HAS AN IC TAG. THE IC TAG STORES THE ORIGINAL IMAGE DATA OF THE DOCUMENT. PRINTING OF HIGH IMAGE QUALITY CAN BE OBTAINED IF THE ORIGINAL IMAGE DATA IS USED. HOWEVER, THE PORTION ADDED BY HANDWRITING WILL BE LOST.
DO YOU WANT TO USE THE ORIGINAL IMAGE DATA STORED IN THE IC TAG?
YES
NO

FIG. 10

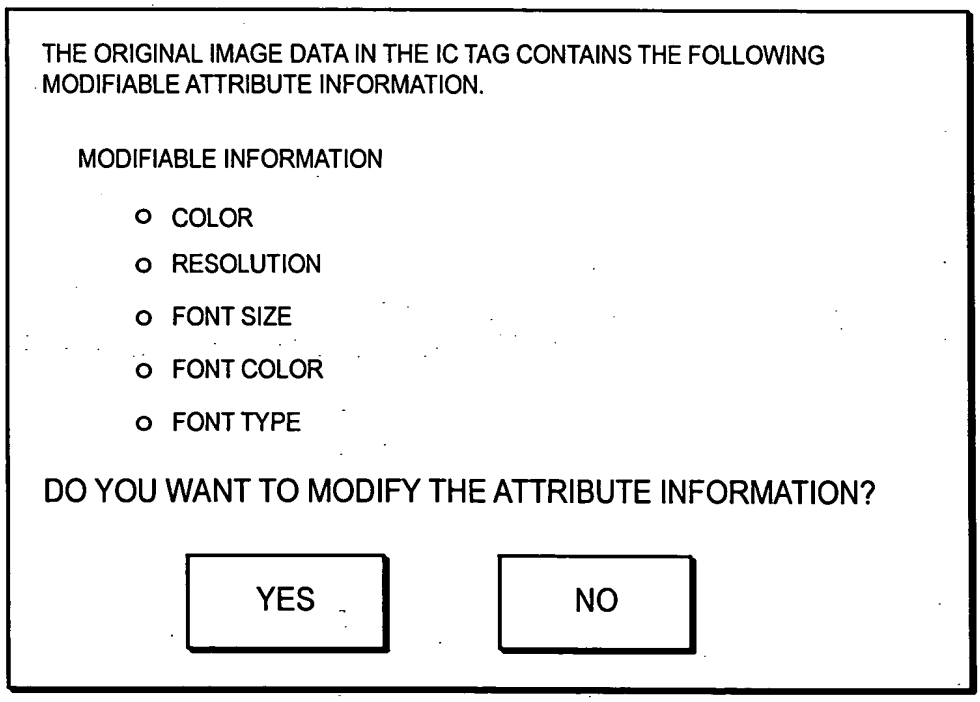
420
THE ORIGINAL IMAGE DATA IN THE IC TAG CONTAINS THE FOLLOWING MODIFIABLE ATTRIBUTE INFORMATION.
MODIFIABLE INFORMATION
o COLOR
o RESOLUTION
o FONT SIZE
o FONT COLOR
o FONT TYPE
DO YOU WANT TO MODIFY THE ATTRIBUTE INFORMATION?
YES
NO

FIG. 11

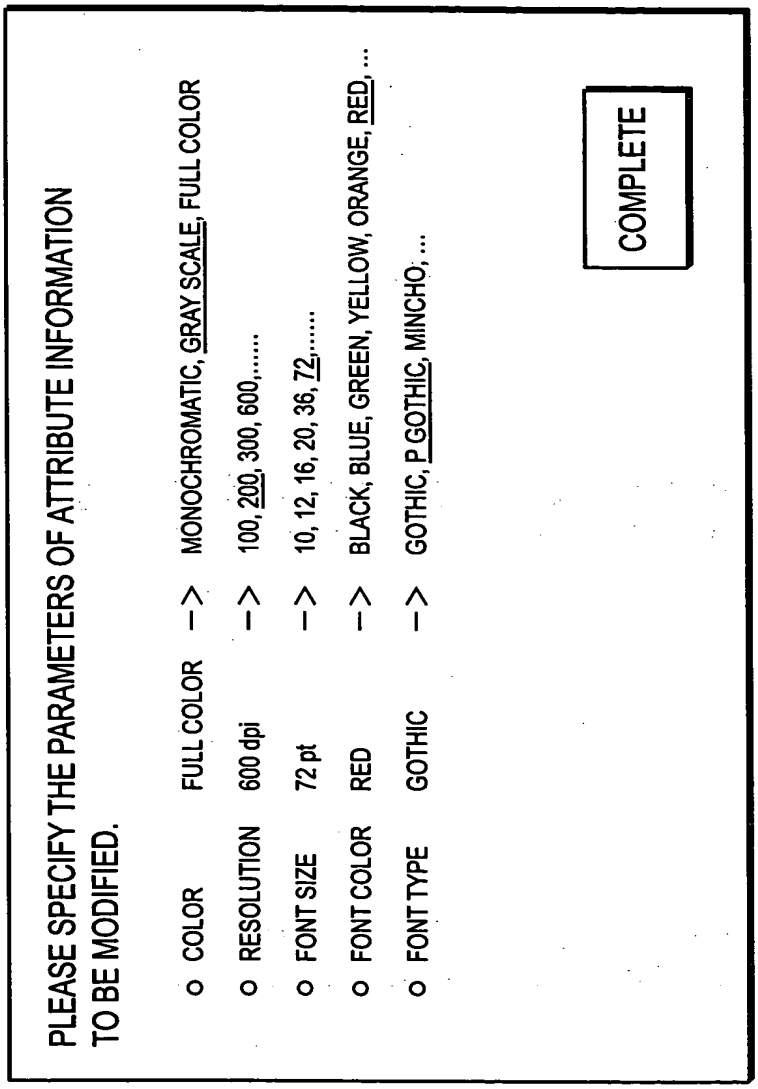
430
PLEASE SPECIFY THE PARAMETERS OF ATTRIBUTE INFORMATION TO BE MODIFIED.
o COLOR FULL COLOR -> MONOCHROMATIC, GRAY SCALE, FULL COLOR
o RESOLUTION 600 dpi -> 100, 200, 300, 600,.....
o FONT SIZE 72 pt -> 10, 12, 16, 20, 36, 72,.....
o FONT COLOR RED -> BLACK, BLUE, GREEN, YELLOW, ORANGE, RED, ...
o FONT TYPE GOTHIC -> GOTHIC, P GOTHIC, MINCHO, ...
COMPLETE

FIG. 12